



**THE PORT AUTHORITY  
OF NEW YORK AND NEW JERSEY**

*Peter K. Swerny*  
ENGINEERING PROGRAM MANAGER  
WORLD TRADE CENTER  
*Sam M. Pappas*  
CHIEF ELECTRICAL ENGINEER

Engineering Department  
Design Division

**The World Trade  
Center  
Electrical/HVAC  
Upgrade Program**

THE  
TOWER ONE AND TWO  
LOW VOLTAGE  
SUBSTATIONS  
CONSTRUCTION AND  
INSTALLATION

ELECTRICAL  
SUBSTATION SS-41S  
STAGE III  
LIGHTING POWER &  
FIRE ALARM PLAN

No.	Date	Revision	Approved
1	5-1-85		

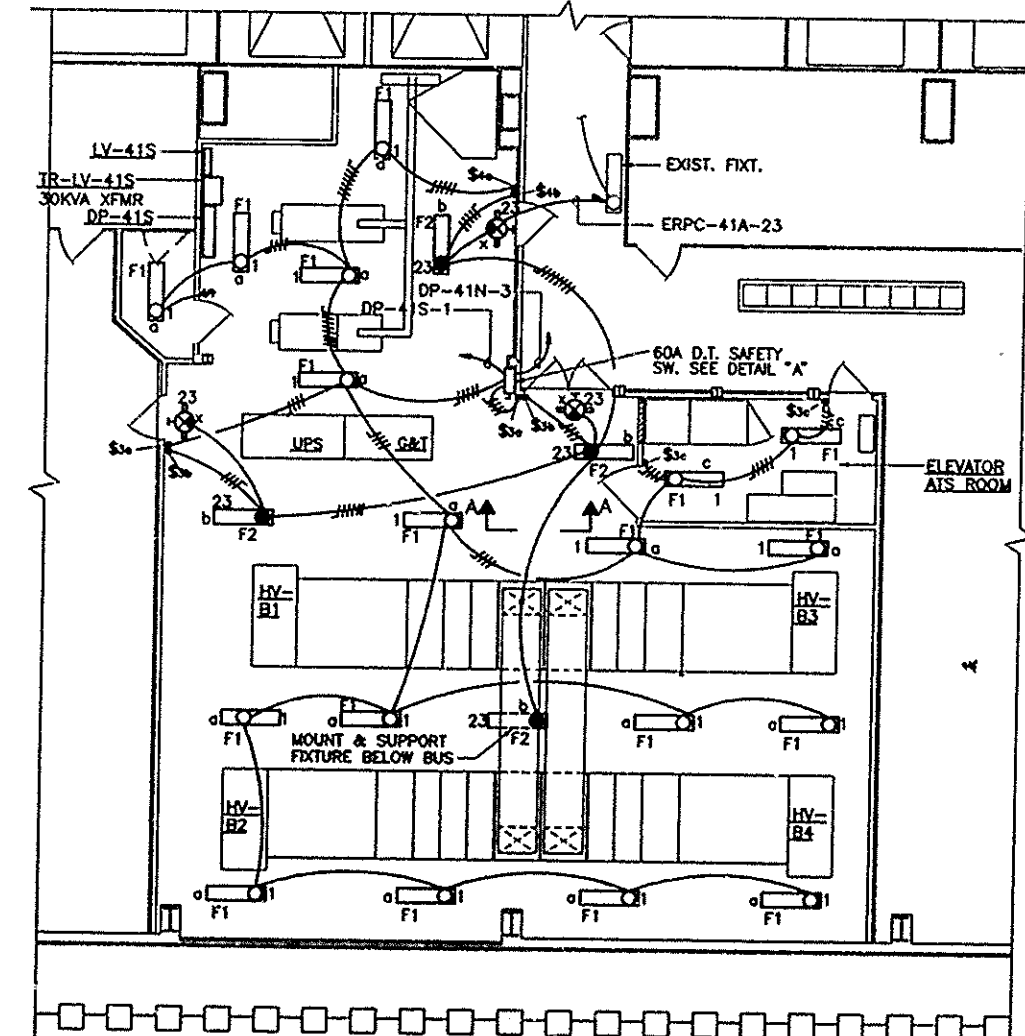
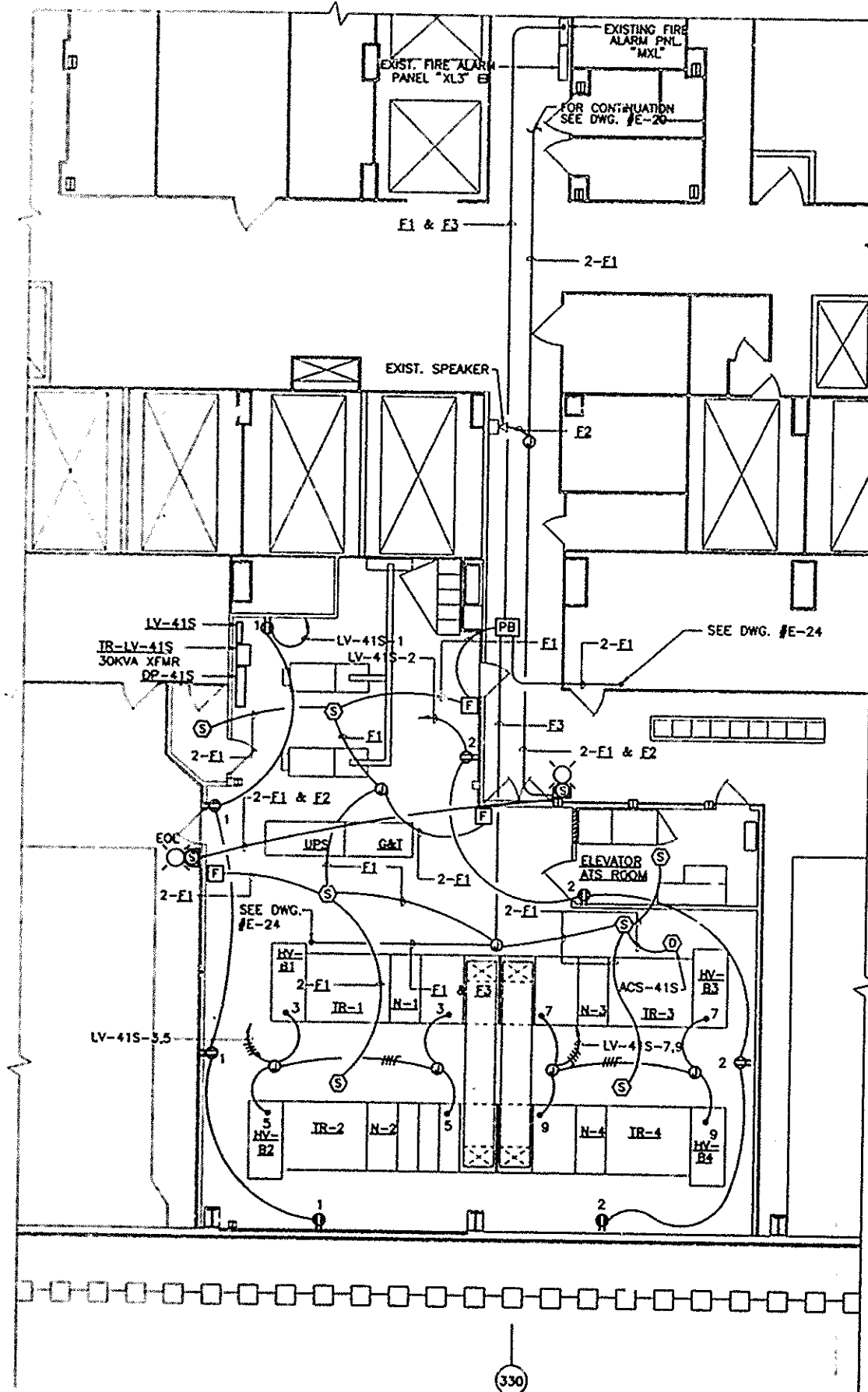
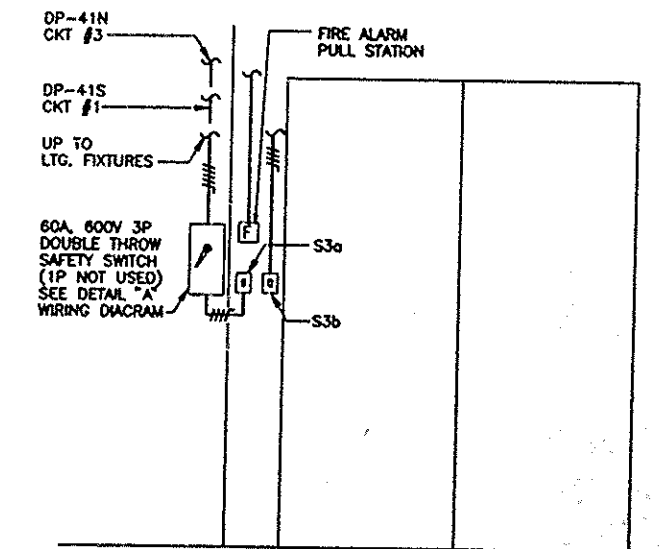
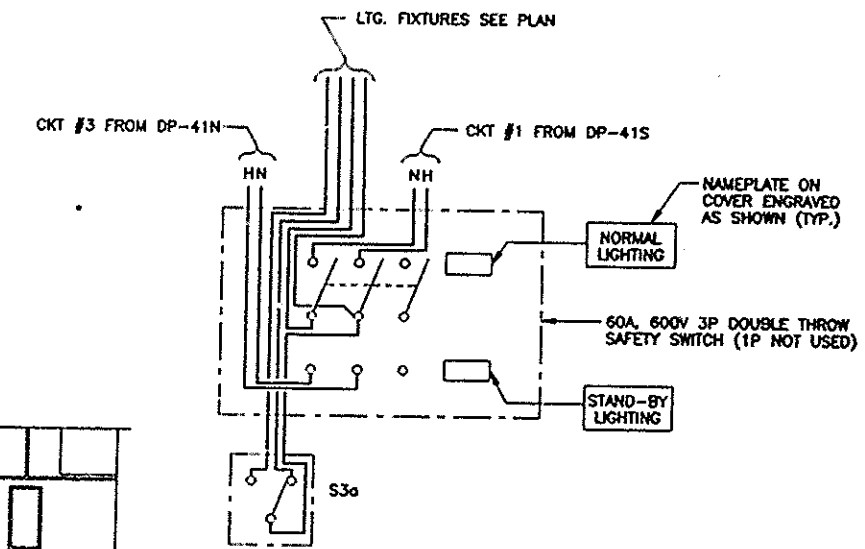
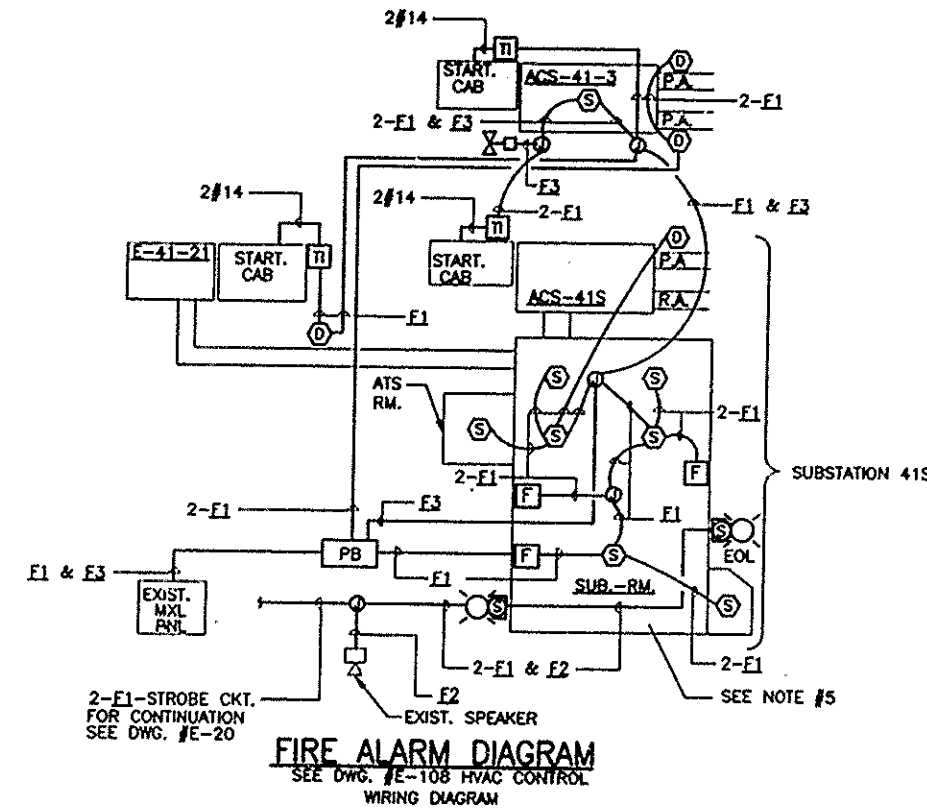
THIS DRAWING IS SUBJECT TO THE CONDITIONS IN CONTRACT NO. WTC-802.071. ALL INVENTIONS, IDEAS, DESIGNS AND METHODS HEREIN ARE RESERVED TO THE PORT AUTHORITY AND MAY NOT BE USED WITHOUT ITS WRITTEN CONSENT.

ROZMAN FISCHER	ROZMAN	A.S.
Designed by	Drawn by	Checked by

Date 5-1-85 Scale AS NOTED  
Contract Number WTC 802.071 Drawing Number E-34

**NOTES**

- FOR LEGEND SEE DRAWING #E-1.  
FOR GENERAL NOTES, ABBREVIATIONS AND LIGHTING FIXTURE SCHEDULE SEE DRAWING #E-2.
- FOR PANEL DP-41S AND LV-41S SCHEDULES SEE DRAWING #E-100.
- MOUNT EXIT LIGHT SUCH THAT BOTTOM EDGE OF FIXTURE IS 12" ABOVE TOP OF DOOR.
- IN STAGE I - INSTALL AC UNITS SMOKE DETECTORS WITH ASSOCIATED WIRING.
- IN STAGE III - REMOVE EXISTING SUBSTATION'S AREA SMOKE DETECTORS, PULL STATIONS, STROBE HORN UNITS (SEE DWG. #E-22) INSTALL NEW AREA SMOKE DETECTORS, PULL STATIONS, STROBE SPEAKER UNITS IN SUBSTATION AND ATS ROOM.



WHEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-802.071 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 6/21/95 *Sam M. Pappas* SPEC. WRITER  
DATE 8/15/85 *Peter K. Swerny* ENGINEER OF DESIGN

SCALE IN FEET  
0 4 8 12 16